

XP-002436560

(C) WPI / Thomson

AN - 1982-49156E [24]
AP - JP19800151241 19801027
PR - JP19800151241 19801027
TI - High strength fibre reinforced foamed plastic article mfr. - from
mixt. contg. glass fibre chop strands, powdery polyethylene,
azodi:carbonamide and opt. zinc stearate
IW - HIGH STRENGTH FIBRE REINFORCED FOAM PLASTIC ARTICLE MANUFACTURE
MIXTURE CONTAIN GLASS CHOP STRAND POWDER POLYETHYLENE AZO DI
CARBONAMIDE OPTION ZINC STEARATE
IN - DEGUCHI K; MATSUMOTO M; YOSHIKAWA Y
PA - (KOBU) KOBUNSHI GIKEN CO LTD
PN - JP57074127 A 19820510 DW198224
PD - 1982-05-10
IC - B29D27/00; B29D3/02
DC - A17 A32
AB - 30 pts.wt. glass fibre chop strands of 6 mm length, 69 pts.wt. powdery
polyethylene, and 1 pt.wt. azodicarbonamide, and opt. 0.2 pts.wt. zinc
stearate are uniformly mixed.
After the mixt. is supplied from a hopper into a metal moulds and the
mould is heated for 15 minutes in heating furnace maintained at 220
deg.C, it is taken out from the furnace and non-molten powders are
removed from the mould to provide a fibre reinforced foamed synthetic
resin wall on the inner surface of the metal mould.
The powdery polyethylene is sprayed to the inner surface of the wall
to carry out smoothing and synthetic resin wall is cooled and removed
from the metal mould.
The process permits industrial production of tanks, waterproof and
chemical resistant containers, and industrial plant parts with high
mechanical strength from inexpensive raw materials.